General Hyaluronic Acid ELISA Kit | HA elisa kit

Hyaluronic Acid ELISA Kit

CATALOG #	REACTIVITY
AAA17439	**General**

PRODUCT SYNONYMS

Hyaluronic Acid; Hyaluronic Acid ELISA Kit; HA (Hyaluronic Acid); HA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	Specifically recognize HA, no obvious cross reaction with other analogues
Sequence Length	322
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HA elisa kit	Background: Hyaluronic acid (HA) is an acidic mucopolysaccharide widely present in the interstitial tissue of various tissues. It is composed of D-glucuronic acid and n-acetylglucosamine. HA is mainly metabolized in the liver and is one of the most sensitive and reliable indicators to reflect the degree of liver disease and liver fibrosis. Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been precoated with HA. During the reaction, HA in the sample or standard competes with a fixed amount of HA on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to HA. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of HA in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10800122
NCBI GeneID	10894
Molecular Weight	35,213 Da
NCBI Official Full Name	hyaluronic acid receptor
NCBI Official Synonym Full Names	lymphatic vessel endothelial hyaluronan receptor 1
NCBI Official Symbol	LYVE1
NCBI Official Synonym Symbols	HAR; XLKD1; LYVE-1; CRSBP-1
NCBI Protein Information	lymphatic vessel endothelial hyaluronic acid receptor 1
UniProt Protein Name	Lymphatic vessel endothelial hyaluronic acid receptor 1
UniProt Gene Name	**LYVE1**
UniProt Synonym Gene Names	CRSBP1; HAR; XLKD1; LYVE-1; CRSBP-1
UniProt Entry Name	LYVE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/ha-general-elisa-kits/hyaluronic-acid/17439